IN THE DESCRIPTION

Page 6, line 29 to Page 7, line 11

The laser source illustrated in Figure 2 is based on a loop mirror formed by a 3-dB (first) fiber coupler 10 having four, ports A, B, C and D, and a loop of active fiber 12, preferably erbium-doped, with its ends connected to ports C and D, respectively, through wavelength-selective couplers 14 and 16 that are also connected to pump sources (lasers) 18 and 20, respectively. The laser source in Figure 2 differs from that shown in Figure 1 in that the FBGs are not connected in series to the port A of fiber coupler 10 but are instead connected in parallel. Thus, FBGs 22A and 22B are connected to ports A and B of a second 3-dB coupler 30 by way of attenuators 32A and 32B, respectively. FBGs 24A and 24B are connected to ports A and B of a third 3-dB coupler 40 by way of attenuators 34A ~~36A~~ and 34B ~~36B~~, respectively. The transmissive ports of FBGs 22A, 22B, 24A, and 24B are coupled to four output ports $P1_{OUT}$, $P2_{OUT}$, $P3_{OUT}$ and $P4_{OUT}$, respectively. Ports D of couplers 30 and 40 are connected to ports A and B, respectively, of the 3-dB coupler 10, and ports C of couplers 30 and 40 are connected to fifth and sixth output ports $P5_{OUT}$ and $P6_{OUT}$, respectively.

Page 8, lines 6 to 15

The attenuators 32A, 32B, 34A ~~36A~~ and 34B ~~36B~~ allow the amplitude of the light at each wavelength to be adjusted so that, if desired, they are equal.

Although, in the above-described laser sources, the gratings each reflect about 50 per cent of the selected wavelength light, other proportions could be used.

It is an advantage of the present invention that a multiplicity of wavelengths can be provided using a single active-fiber loop mirror and a grating for each wavelength. Also, the number of wavelengths can be increased simply by adding more fiber gratings, and perhaps increasing pump energy, as appropriate.